



ENGINEERING & PUBLIC SERVICES



**Eric Dudley, PE**  
Director, Engineering & Public Services  
371 Saco Street  
Westbrook, Maine 04092  
Phone: 207-854-0660  
Fax: 207-854-0672

**TO:** Sewer Commission

Kevin Price  
Rhonda Forrester  
Benjamin Pearson

**FROM:** Katherine Kelley, Wastewater Division Manager

**DATE:** March 17, 2025

**SUBJECT:** FY2026 Wastewater Division Proposed Budget

The 2026 Fiscal Year Municipal Sewer Budget has been prepared and is ready for review and approval by the Westbrook Sewer Commission. Approval will be sought for the new budget and vendor list. There is no proposed increase for the sewer user rate this fiscal year. Supporting documentation can be found attached to this cover letter.

If you have any questions or would like additional information, please feel free to call or email.

Thank you for your consideration.

Katherine S. Kelley, P.E.  
Wastewater Division Manager



SEWER COMMISSION MEETING  
THURSDAY, MARCH 20, 2025, AT 8:30 AM  
CITY HALL, 2 YORK STREET, LARGE CONFERENCE ROOM

---

8:30 AM                    FY2026 Sewer Budget & Vendor List Presentation  
*Proposed Action: Vote on 2026 Sewer Budget & Vendor list*

Attachments:

1. Sewer Annual Presentation Slides
2. FY2026 Sewer Budget (2 Pages)
3. FY2026 Sewer Vendor List (3 Pages)
4. Portland Water District Annual Wastewater

# Wastewater

Katherine Kelley, P.E.  
Wastewater Manager



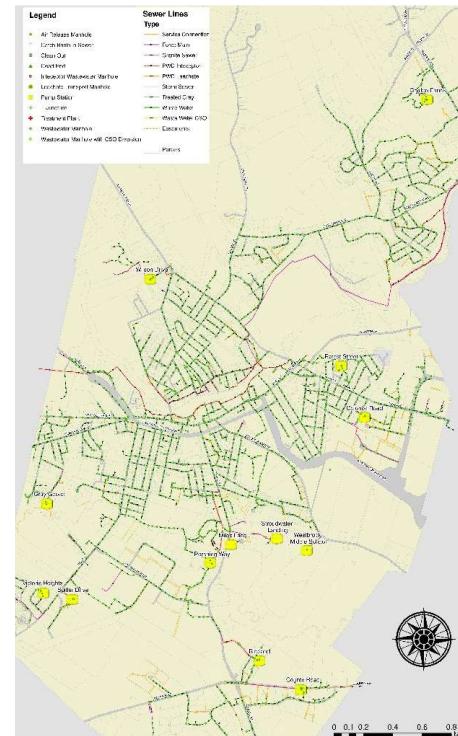
# What We Do – An Overview

- Maintain:
  - 13 Pump Stations
  - 1,625+ Publicly Owned Manholes
  - 70+ Miles of Sewer Pipe
- Street Excavations in Public ROW
- Grounds Maintenance
- Emergency Response
- Winter Plowing
- Dig Safe
- New Sewer Lateral Inspections
- Voting Set Up/Take Down
- Flushing and Televising Lines

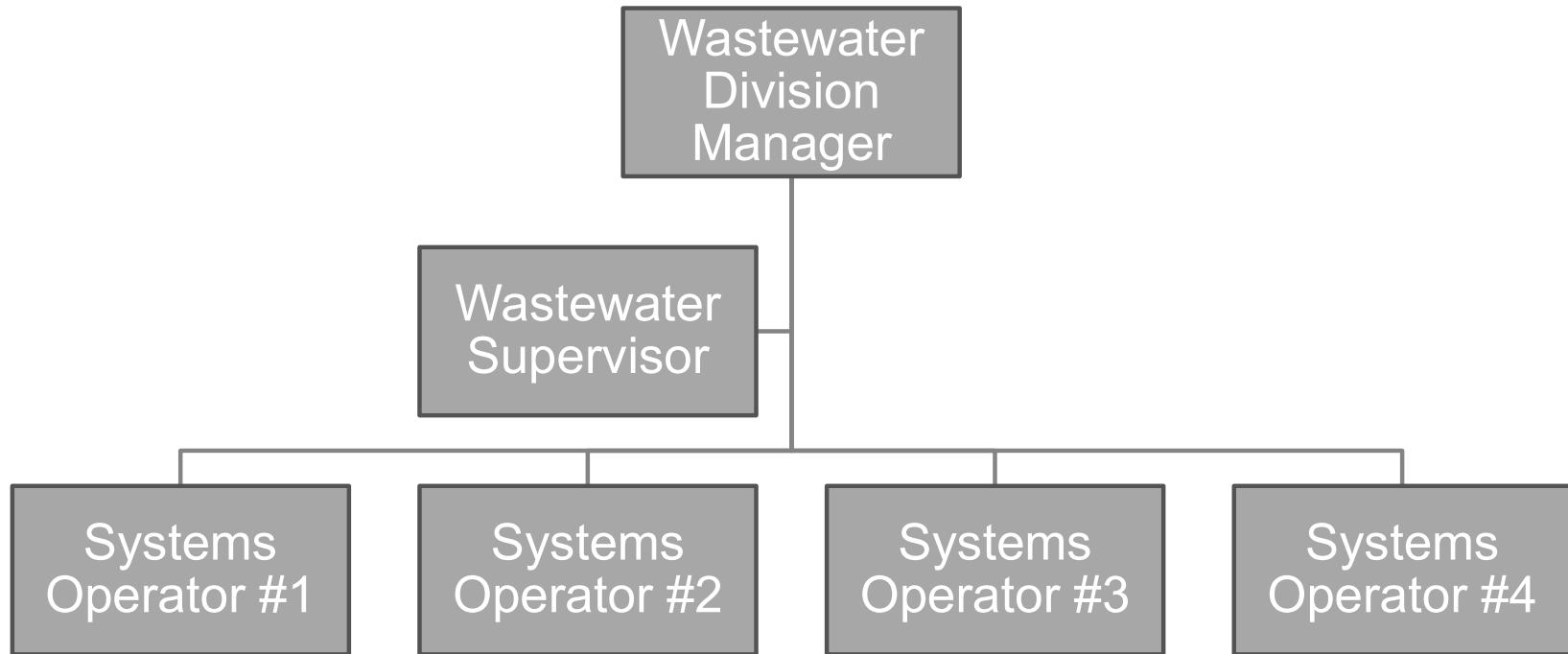


# Daily Operations

1. Pump Station Maintenance
  - Grounds
  - Equipment
  - Building
2. Manhole Maintenance
  - Adjusts
  - Repairs
  - Cleaning & Inspection
3. Pipeline Maintenance
  - Flushing
  - Televising
  - Repair and/or Replace
  - Recording new sewer tie cards



# Wastewater Staff



# Major Changes in Wastewater Budget

## Increases:

- Salaries, overtime, uniforms and benefits increased due to being fully staffed
- Portland Water District debt services continue to increase
- Increase in training for continuing education and on boarding for new employee with retirement of Dan Vaughan

## Decreases:

- Sewer rehabilitation decrease due to extra funding from unspent funds in CIP
- Debt services decrease

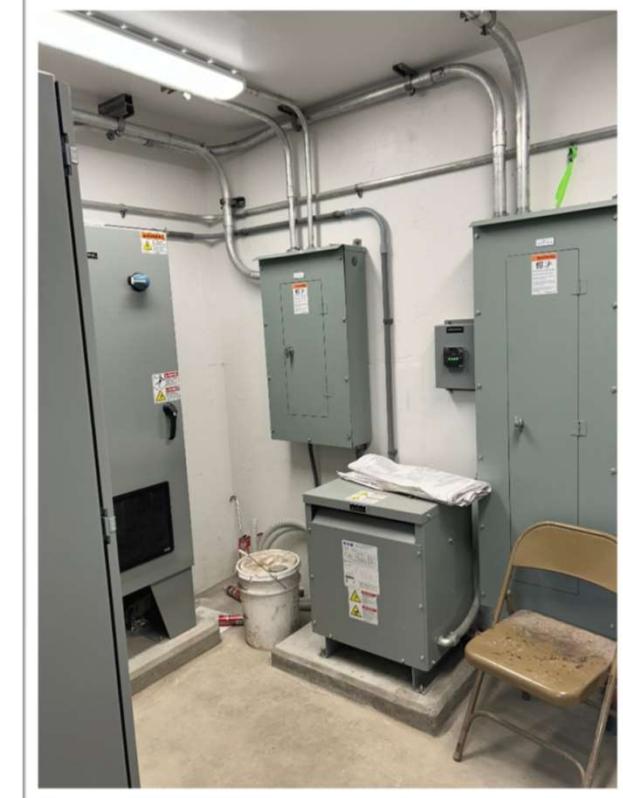
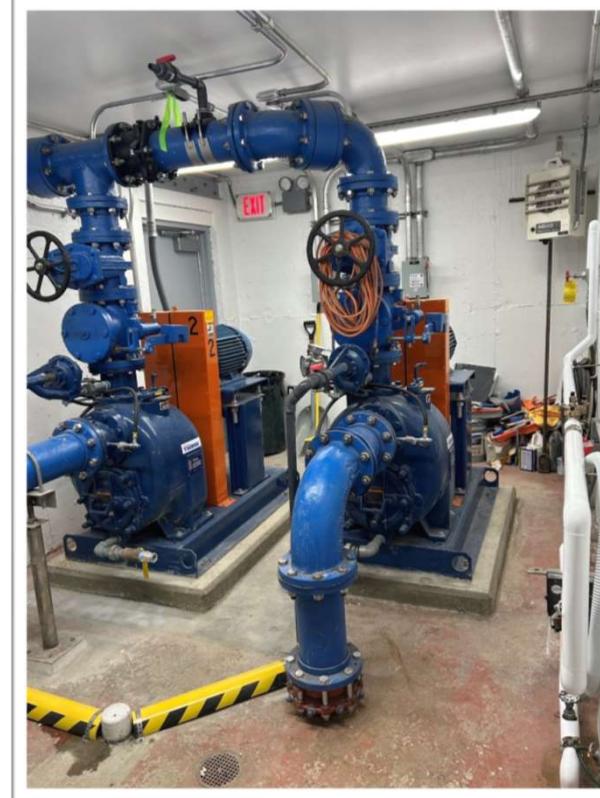


# Wastewater Goals

## Completed Goals

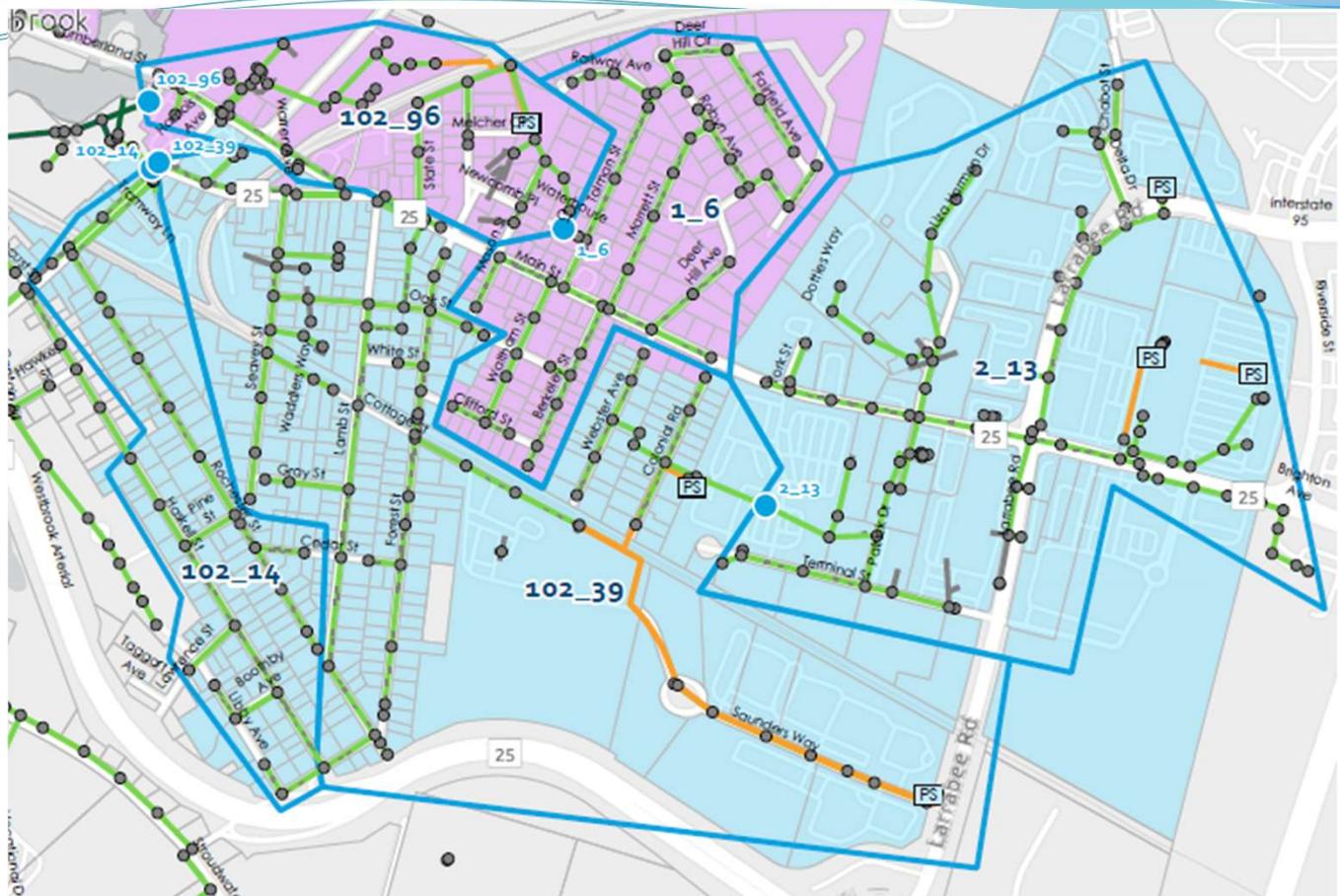
- Substantially completed Melcher Court Pump Station
- DEP approved LTCP with co-permittee PWD
- Completed phase 1 & 2 flow metering in the Deer Hill neighborhood
- Lined 1,400 LF of 8" sewer, 250 LF of 12" sewer, 400 LF of 15" sewer and 85 VF of manhole rehabilitation on Fairfield Avenue, Rochester Street and Deer Hill Circle





# Melcher Court PS Upgrade





- Flow Meter Location
- Manhole
- Pump Station
- PWD Sewer Main
- Force Main
- PWD Interceptor
- Gravity Main
- Other
- Meter Basin
- Meter Basin 102\_13
- Meter Basin 102\_97
- Parcel



# Flow Metering



**Table 6** Summary of Base Infiltration by Meter Basin

Meter Basin	Net BI (MGD)	Net BI Unit Rate (GPD/IDM)	BI Ranking
1_6	0.04	2,971	1
2_13	0.03	1,551	2
102_96	0.01	1,248	3
102_39	0.02	840	4
102_14	0.00	101	5
<b>Grand Total (All Meters)</b>	<b>0.10</b>	-	-

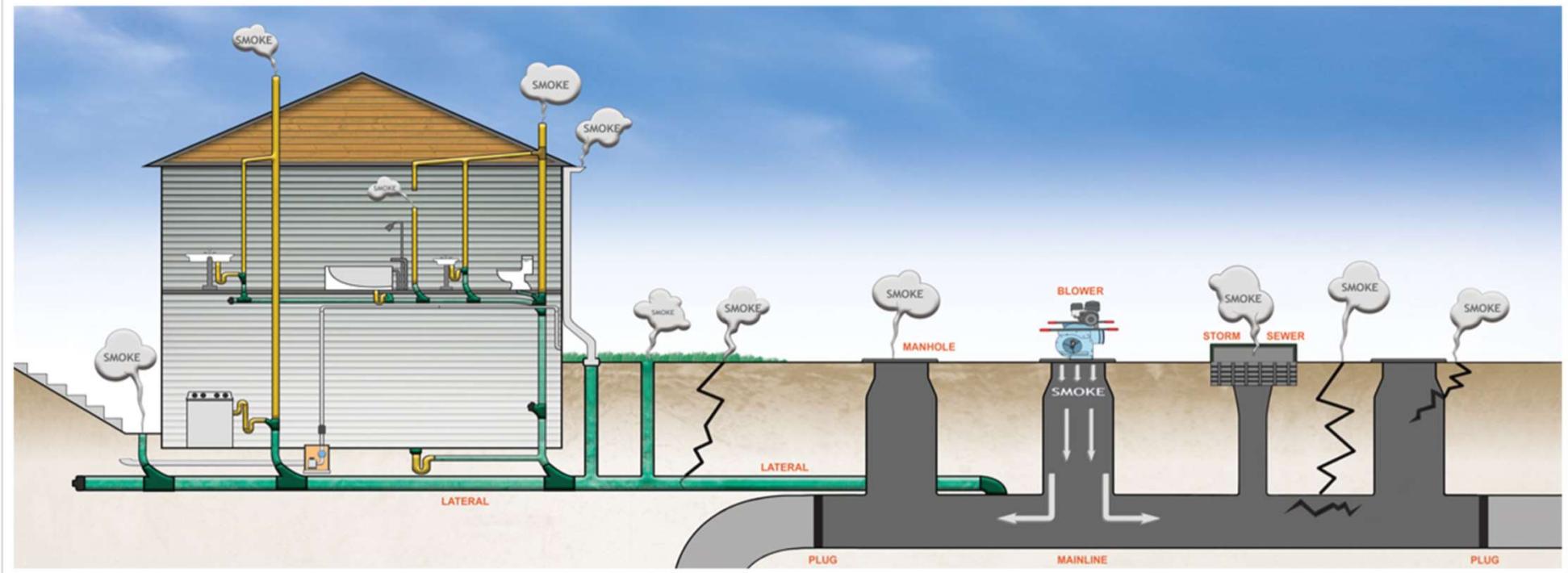
**Table 7** Summary of Inflow by Meter Basin

Meter Basin	Net Peak Inflow Rate <sup>1,2</sup> (MGD)	Net Inflow Volume <sup>2</sup> (MG)	Percent Total Inflow <sup>3</sup>	Cumulative Percent <sup>3</sup>	Inflow Ranking
MH 102_39	0.008	0.174	35%	35%	1
MH 2_13	0.001	0.110	22%	58%	2
MH 102_96	0.005	0.109	22%	80%	3
MH 1_6	0.001	0.071	15%	95%	4
MH 102_14	0.003	0.026	5%	100%	5
<b>Grand Total (All Meters)</b>	<b>0.02</b>	<b>0.49</b>	<b>100%</b>	-	-



# Flow Metering Results





# Smoke Testing





## City of Bath

### 3.2.3 Commercial Street

Pump Station ID	Commercial Street Pump Station
Physical Address	15 Commercial Street, Bath, Maine 04530
Pump Type	Extended Shaft Centrifugal
Pump Manufacturer	Fairbanks Morse
No. of Pumps	4
Motor Size	Jockey Pumps: 40 HP, 40 HP Duty Pumps: 200 HP, 200 HP
Year Constructed	1969, Upgraded in 2002
Connection to Utility Power	Underground
Emergency Power Source	Standby Automatic Generator Cummins 250KW Diesel
Instrumentation & Communications	Milltronics Ultrasonic and Alarms. Reliable radio signal.
VFD	Yes



# Climate Adaptability Plan



# Wastewater Goals for FY2026

- Finish Melcher Court punch list and paving
- Line portions of Clifford Street, Deer Hill Avenue, Forest Street, Main Street, Marrett Street, Robyn Avenue and Tolman Street
- PWD – Complete capacity study
- PWD – Begin storage tank evaluation
- Begin Sanitary Sewer Evaluation Survey for Priority 1 that was determined through flow metering



**City of Westbrook**  
**Sewer Fund**  
**Budget Comparisons FY24, YTD FY25, & FY26**

Account Description	Account Numbers		-/+	FY25 Budgeted	FY25 YTD		% Bud Inc. FY25/FY26
	80003250	FY24 Budgeted			FY24 Actuals	January 9, 2024	
Sewer Assessments	41200	(5,233,715)	(5,771,347)	(537,632)	(5,598,933)	(3,169,472)	2,429,461
Interest/Penalties on Tax	41900	(100)	(47)	53	(100)	(275)	(175)
Investment Earnings	46000	(75,000)	(492,163)	(417,163)	(75,000)	(159,606)	(84,606)
Transfer from Sewer Fund Balance				-	-	-	-
<b>Total Revenue</b>		<b>(5,308,815)</b>	<b>(6,263,557)</b>	<b>(954,742)</b>	<b>-</b>	<b>(5,674,033)</b>	<b>(3,329,353)</b>
							<b>2,344,680</b>
<b>Expenses:</b>							
Salaries - Regular FT/PT	51100	465,841	460,431	5,410	499,829	253,897	245,932
Salaries - Overtime	51300	28,860	33,143	(4,283)	40,000	15,606	24,394
Unused Comp Absences	51600	-	5,039	(5,039)	-	-	-
Other Employee Benefits	52900	164,286	160,936	3,350	169,203	-	169,203
Uniforms	52901	5,500	6,426	(926)	7,000	4,660	2,340
Medical Exams/Physicals	52902	2,000	1,445	555	2,000	606	1,394
Training	53300	5,000	5,058	(58)	5,000	3,518	1,482
Architect & Engineering	53420	50,000	39,045	10,955	155,000	33,720	121,280
Prof Services - IT/Technology	53520	500	346	154	-	-	-
GIS Project	53617	57,400	57,398	2	59,000	29,417	29,583
Portland Water Assessment	53622	3,811,152	3,859,530	(48,378)	4,074,014	1,997,982	2,076,032
Utility/Water & Sewer	54105	3,000	1,486	1,514	3,000	605	2,395
Maint Building & Grounds	54312	19,850	17,384	2,466	20,000	1,817	18,183
Tech Consult Maint	54330	-	-	-	-	-	-
Maint - Small Equip	54390	8,500	4,147	4,353	8,500	3,518	4,982
Equipment & Vehicle Lease	54420	-	-	-	-	-	-
Telephone	55320	13,000	12,283	717	13,000	5,118	7,882
General Supplies	56000	20,000	13,930	6,070	20,000	6,627	13,373
Chemical Supplies	56044	-	-	-	-	-	-
Natural Gas	56210	10,000	3,459	6,541	10,000	915	9,085
Electricity	56220	47,000	77,569	(30,569)	60,000	23,394	36,606
Fuel, Gas	56260	8,000	2,847	5,153	8,000	5,066	2,934
Fuel, Diesel	56261	10,000	3,205	6,795	10,000	1,198	8,802
Vehicle Supplies/Auto Parts	56700	6,500	6,114	386	6,500	1,625	4,875
Vehicles, New	57320	-	-	-	-	-	-
Furniture/Fixtures	57330	-	-	-	-	-	-
Capital Technology Hardware	57340	50,000	38,900	11,100	25,000	8,343	16,658
Small Equipment	57390	30,000	27,263	2,737	30,000	23,463	6,537
Reline Work - Sewer Rehab.	57400	200,000	140,851	59,149	250,000	33,315	216,685
Depreciation	57900	-	-	-	-	-	-
Dues & Memberships	58100	2,000	1,060	940	2,000	406	1,594
Debt - Interest	58310	298,096	313,632	(15,536)	374,539	195,439	179,100
Sludge Disposal	58981	6,000	-	6,000	6,000	-	6,000
Inspection - TV	58982	20,000	8,421	11,579	20,000	11,204	8,796
Casting/Brick/Pipe	58983	25,000	27,150	(2,150)	25,000	1,296	23,704
NPDES	59000	70,000	66,021	3,979	70,000	21,489	48,511
Transfer to Capital Project Fund	59400	-	-	-	-	60,000	(60,000)
<b>Total Expenses</b>		<b>5,437,485</b>	<b>5,394,519</b>	<b>42,966</b>	<b>5,972,585</b>	<b>2,744,243</b>	<b>3,228,342</b>
<b>Total Sewer Surplus / (Deficit)</b>		<b>(128,670)</b>	<b>869,038</b>	<b>869,038</b>	<b>(298,552)</b>	<b>585,110</b>	<b>585,110</b>
							<b>(235,565)</b>

**City of Westbrook**  
**Sewer Fund**

**Budget FY25**

Account Description	FY24 Budget	FY25 Budget	+/-
Sewer Assessments	\$ (5,598,933.00)	\$ (5,764,196.90)	
Interest/Penalties on Tax	\$ (100.00)	\$ (100.00)	
Investment Earnings	\$ (75,000.00)	\$ (75,000.00)	
Transfer from Sewer Fund Balance	\$ (138,670.00)	\$ (298,552.00)	
<b>Total Revenue</b>	<b>(5,812,703)</b>	<b>(6,137,849)</b>	<b>5.6%</b>
 <b>Expenses:</b>			
Salaries - Regular	\$ 499,829	\$ 546,640	\$ 46,811
Salaries - Overtime	\$ 40,000	\$ 40,000	\$ -
Cash In	\$ -	\$ -	\$ -
Other Employee Benefits	\$ 169,203	\$ 175,000	\$ 5,797
Uniforms	\$ 7,000	\$ 9,500	\$ 2,500
Medical Exams/Physicals	\$ 2,000	\$ 2,000	\$ -
Training	\$ 5,000	\$ 7,000	\$ 2,000
Architect & Engineering	\$ 155,000	\$ 155,000	\$ -
Prof Services - IT/Technology	\$ -	\$ -	\$ -
GIS Project	\$ 59,000	\$ 60,305	\$ 1,305
Portland Water Assessment	\$ 4,074,014	\$ 4,191,641	\$ 117,627
Utility/Water & Sewer	\$ 3,000	\$ 2,000	\$ (1,000)
Maint Building & Grounds	\$ 20,000	\$ 20,000	\$ -
Tech Consult Maint	\$ -	\$ -	\$ -
Maint - Small Equip	\$ 8,500	\$ 8,500	\$ -
Equipment & Vehicle Lease	\$ -	\$ -	\$ -
Tel - Push Talk	\$ 13,000	\$ 13,000	\$ -
General Supplies	\$ 20,000	\$ 20,000	\$ -
Natural Gas	\$ 10,000	\$ 5,000	\$ (5,000)
Electricity	\$ 60,000	\$ 60,000	\$ -
Fuel, Gas	\$ 8,000	\$ 8,000	\$ -
Fuel, Diesel	\$ 10,000	\$ 5,000	\$ (5,000)
Auto Parts	\$ 6,500	\$ 6,500	\$ -
Furniture/Fixtures	\$ -	\$ -	\$ -
Hardware/SCADA	\$ 25,000	\$ 25,000	\$ -
Small Equipment	\$ 30,000	\$ 30,000	\$ -
Reline Work - Sewer Rehab.	\$ 250,000	\$ 200,000	\$ (50,000)
Depreciation			
Dues & Memberships	\$ 2,000	\$ 2,000	\$ -
Debt Service -Principal & Interest	\$ 374,539	\$ 364,776	\$ (9,763)
Sludge Disposal	\$ 6,000	\$ 3,000	\$ (3,000)
Inspection - TV	\$ 20,000	\$ 20,000	\$ -
Casting/Brick/Pipe	\$ 25,000	\$ 25,000	\$ -
NPDES	\$ 70,000	\$ 70,000	\$ -
Transfer to Capital Project Fund	\$ -	\$ -	\$ -
<b>Total Expenses</b>	<b>\$ 5,972,585</b>	<b>\$ 6,074,862</b>	<b>\$ 102,277</b>
<b>Total City Expenses</b>	<b>\$ 1,898,571</b>	<b>\$ 1,883,221</b>	<b>\$ (15,350)</b>
 <b>Total Sewer Surplus / (Deficit)</b>	<b>(159,882)</b>	<b>62,987</b>	

**Key:**

\$\$\$	Increase from FY25
\$\$\$	Decrease from FY25

**Portland Water District**  
**Annual Wastewater Assessment Meeting - Westbrook**  
**Meeting Date: October 30, 2024 at 3:00**

**Attendees:** Jerre Bryant and staff; Chris Crovo, Scott Firmin, Charlene Poulin and David Kane

**Location:** Portland Water District, 225 Douglass Street, GM Conference Room

**Agenda**

1. 2025 Wastewater Assessment - \$4,111,872 – \$115,908 or 2.9% higher
2. Wastewater Operational and Capital Plans
  - Treatment Capacity and 2024 Capacity Study and Allocation
  - CSO Long-Term Control Plan Update
  - Biosolids Master Plan
3. Water System
  - Water rate increase (5.9%) scheduled for January 1, 2025, including 5.2% Public Fire Protection.
  - Meter/Meter Reading Replacement Project
  - Bond-Related Legislation – 35-A 6103

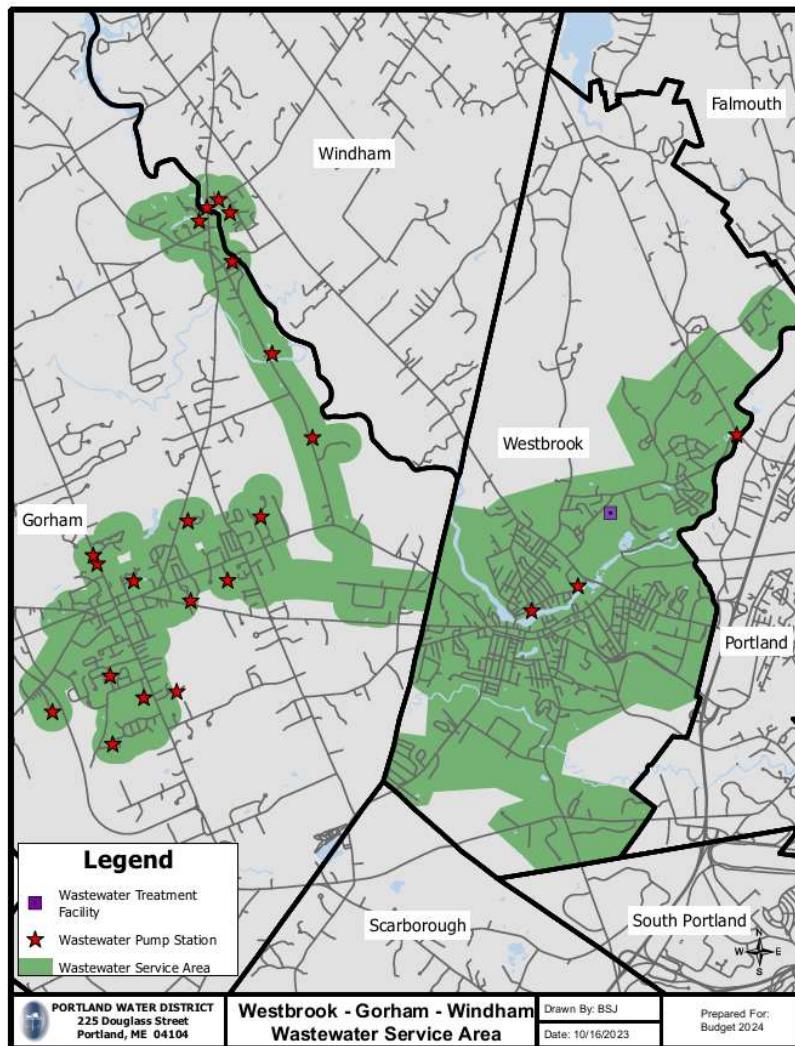
**Package Index**

Background	2
Assessment vs Billing 2024-2029	3
Sewer Billing Statistics	4
Operating Expense	
2025 Budget	5-6
2025-2029 Forecast	7-8
Operations Summary	
9-11	
Capital	
2025 Summary	12
Project Details	13-24
35-A 6103	25

## Fund: Wastewater - Westbrook

### Background

The Portland Water District's charter authorizes PWD to provide wastewater treatment, collection system, and interceptor service to the city. Westbrook's wastewater is treated at the treatment facility located in Westbrook and jointly used by the towns of Windham and Gorham. The city maintains the collection system-collectors that transport wastewater from user's property to PWD's interceptor system. Additionally, by contract, PWD provides utility billing services.



### **Summary of Services Provided:**

#### **Treatment**

*4.54 million gallons/day*

#### **Collection System**

*2 Westbrook only & 1 Joint use Pump Stations with 8.2 miles of pipe*

#### **Utility Billing**

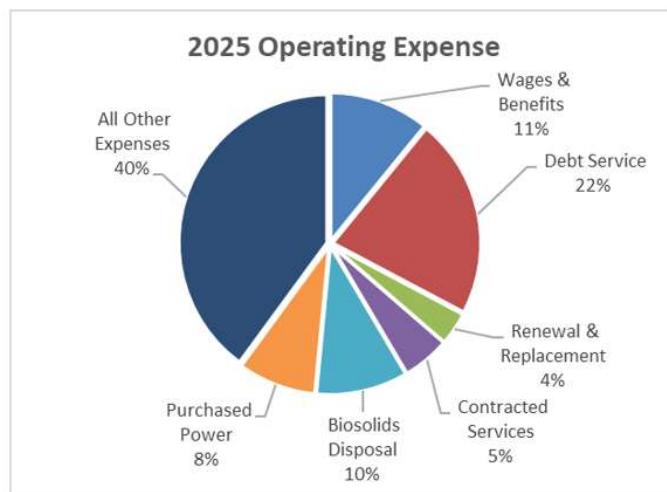
*Annual Billings of  
\$5,764,197 on 4,840  
Customers (avg.  
\$99.24/month)*

## 2025 Financial Summary

The proposed assessment of \$4,111,872 represents a 2.9% increase over the previous year. This is an increase of \$115,908.

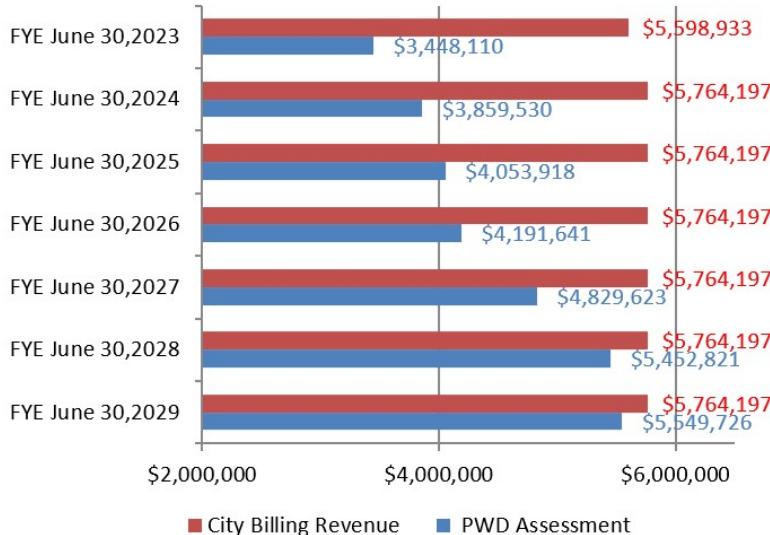
The proposed Operating Expense and Capital budgets are \$4,439,372 and \$1,455,000, respectively.

The Total Expense budget is \$203,179 higher (4.8%) than the previous year. Operating Expense increased by \$201,538 or 6.7%, Debt Service decreased by 0.9% to \$1,059,935 and Renewal & Replacement (direct and indirect) funding increased by \$11,795 from the previous year to \$175,421.



## Assessment Compared to Ratepayers' Billing

The municipality's fiscal year end is June 30, while PWD's is December 31. The chart below compares the sewer billing cash as collected by PWD on their behalf and PWD's assessment for services rendered. The municipality may incur additional sewer-related costs. The municipality determines whether to increase the sewer billing rates.



### Revenue Assumptions:

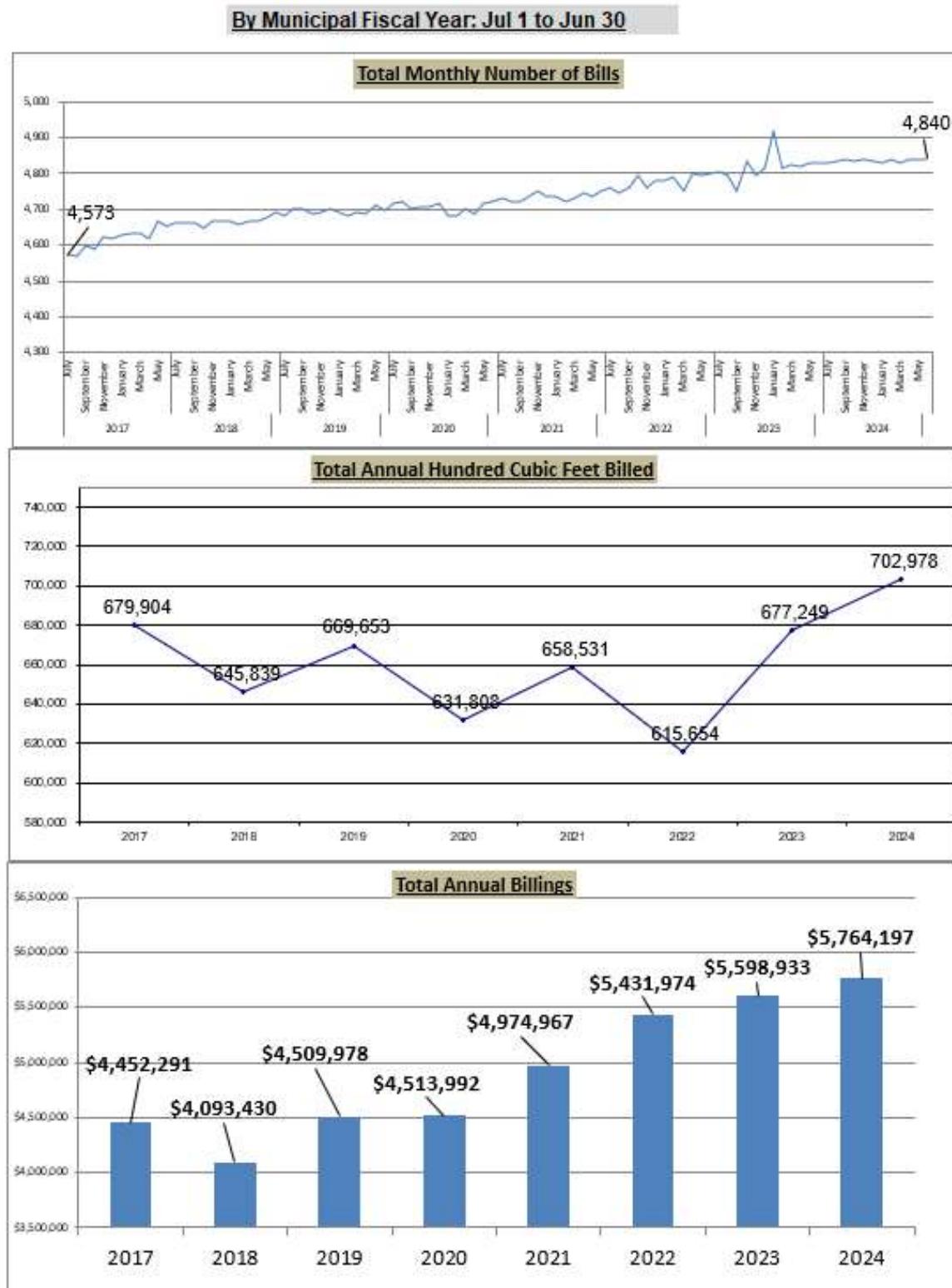
- Consumption assumed is based on consumption through June 30, 2024

### Rates History:

Effective Date	Base/Per HCF
Jan 2013	\$11.13/\$6.13
Jan 2019	\$11.53/\$6.53
Jan 2020	\$11.93/\$6.93
Jan 2021	\$12.33/\$7.00
Jan 2022	\$12.73/\$7.73

## Sewer Billing Statistics

PWD provides sewer billing services for the municipality by contract. Sewer is billed based on water consumption and is included on Portland Water District's water bill. The municipality determines the sewer rate. Dollars collected are forwarded to the municipality weekly.



## 2025 Operating Expense Highlights

**Joint Use Facilities** – Operating Expenses for the joint use facilities are allocated based on average flows. For the joint Gorham/Westbrook/Windham facilities Westbrook's percent rose from 84.0% in 2024 to 84.75% in 2025.

**Salaries/Wages** – Salaries and wages have increased by 12.3%, or \$40,568, to \$371,405. Regular wages increased an average of 5.0%, hours charged were up 6.9% (662 hours).

**Employee Benefits** – The benefit rate (including FICA) decreased from 49.39% in 2024 to 48.64%, a decrease of 0.76%. The amount of Employee Benefits expense increased 8.5% (\$12,285).

**Biosolids Disposal** – The projected volume of wet tons at the Westbrook Regional Wastewater Treatment Facility (WRWWTF) is expected to increase 2.1% and the budgeted per unit cost of disposal will increase 3.0%. Overall, the budget in Westbrook is anticipated to increase \$23,308 or 5.0%.

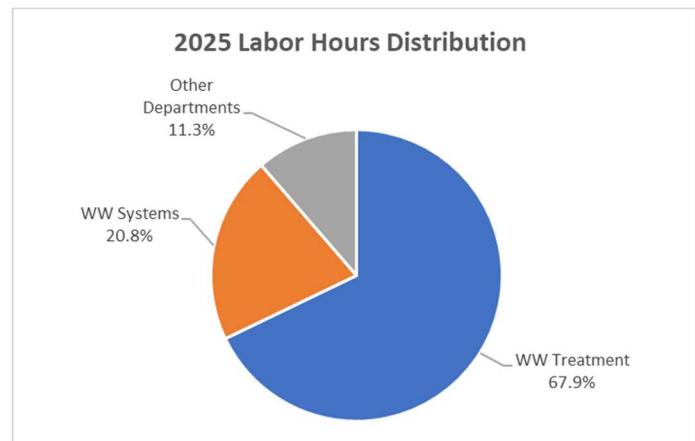
**Heat/Fuel Oil** – This category includes heating oil as well as container propane. The budget for this item was down 22.3% (\$9,333) to \$32,446. This was primarily due to the District being able to secure lower costs per gallon on container fuels.

**Purchased Power** – Overall this category is up \$22,523 (5.7%). This was mostly driven by large increases in energy costs which increased \$11,923 or 5.2%. Transmission and delivery increased \$10,600 (9.9%). Renewable energy expenses were unchanged in the 2025 budget.

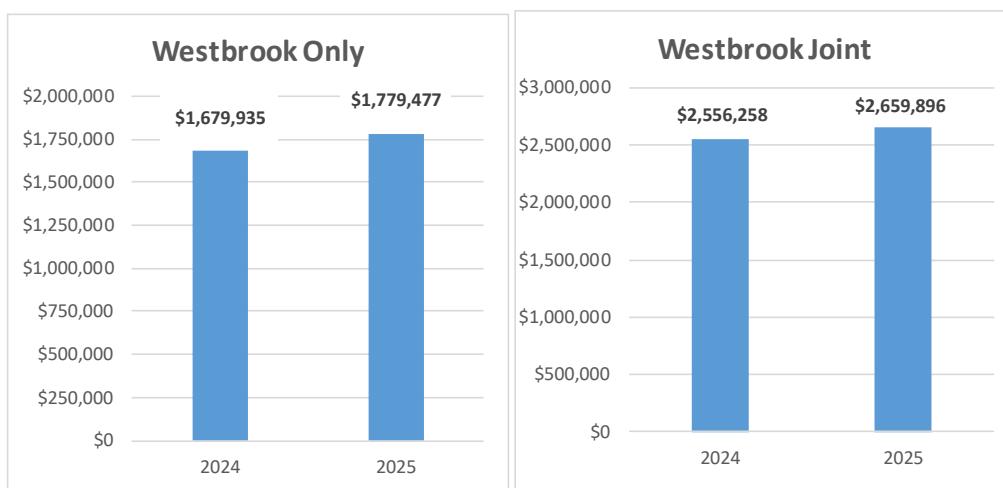
**Support Services** – These costs are related to general work done that cannot be directly charged to a fund as noted above (such as customer billing or information technology) or work done on behalf of several municipalities at the same time (engineering or laboratory services) that is allocated based on the value to each fund. Overall, Support Services increased \$41,200 or 4.1%.

**Debt Service** – The annual principal and interest payments on bonds issued to finance capital projects, this item decreased 0.9% (\$10,154). The decrease was due to no new debt being planned for in the 2025 Budget.

**Renewal & Replacement** - Dollars put aside to fund smaller capital projects. A contribution of \$175,421 will be made in 2025.



	2023 Actual	2024 Jan-Jun	2024 Budget	2025 Budget	Budget Diff \$	Budget Diff %
Assessment Income	\$3,723,096	\$1,997,982	\$3,995,964	\$4,111,872	\$115,908	2.9%
Interest Income	140,907	95,508	136,416	168,187	31,771	23.3%
<u>Other Income</u>	<u>123,163</u>	<u>72,456</u>	<u>103,813</u>	<u>159,313</u>	<u>55,500</u>	<u>53.5%</u>
Total Revenue	3,987,166	2,165,946	4,236,193	4,439,372	203,179	4.8%
Salaries & Wages	285,058	162,755	330,837	371,405	40,568	12.3%
Employee Benefits	123,911	71,258	145,162	157,447	12,285	8.5%
Biosolids Disposal	513,887	279,104	462,244	485,552	23,308	5.0%
Chemicals	308,561	117,443	242,346	258,613	16,267	6.7%
Contracted Services	227,362	67,762	236,527	251,117	14,590	6.2%
Deferred Cost W/O	25,000	0	0	0	0	n/a
Heat/Fuel Oil	43,491	22,506	41,779	32,446	-9,333	-22.3%
Insurance	12,907	7,198	14,345	15,924	1,579	11.0%
Materials & Supplies	108,365	43,490	71,581	93,004	21,423	29.9%
Other Expense	1,941	4,035	5,050	5,161	111	2.2%
Purchased Power	297,341	202,177	392,874	415,397	22,523	5.7%
Regulatory/Taxes	6,788	5,838	5,481	5,695	214	3.9%
Transportation	14,248	8,169	13,372	13,868	496	3.7%
Tele/Other Utilities	55,332	31,878	35,280	51,587	16,307	46.2%
SS - Administration	410,448	217,898	460,488	473,510	13,022	2.8%
SS - Engineering Services	111,573	70,966	172,897	156,957	-15,940	-9.2%
SS - Environmental Services	101,465	50,998	105,635	117,532	11,897	11.3%
SS - Wastewater Services	288,512	136,860	256,696	284,723	28,027	10.9%
<u>SS - Water Services</u>	<u>14,410</u>	<u>6,086</u>	<u>9,884</u>	<u>14,078</u>	<u>4,194</u>	<u>42.4%</u>
Operating Expense	2,950,600	1,506,421	3,002,478	3,204,016	201,538	6.7%
Debt Service & Lease Expense	906,348	518,036	1,070,089	1,059,935	-10,154	-0.9%
Renewal & Replacement - Direct	168,000	50,000	100,000	105,000	5,000	5.0%
Renewal & Replace - Indirect	56,893	31,813	63,626	70,421	6,795	10.7%
Total Expense	4,081,841	2,106,270	4,236,193	4,439,372	203,179	4.8%
Current Year Surplus (Deficit)	-94,675	59,676	0	0		
<u>Prior Year Surplus</u>	<u>313,278</u>	<u>218,603</u>	<u>61,608</u>	<u>160,909</u>		
Accumulated Surplus	218,603	278,279	61,608	160,909		



- Overall costs up \$99.5k (5.9%)  
- Operating Expense up \$63.8k (4.9%)

- Overall Westbrook JT up \$104k (3.2%)  
- Westbrook's flow percent up 0.75% (84.0% to 84.75%)  
- Westbrook's share of all costs up \$103.6k (4.1%)

## Projections for Rate-Making Purposes

Multi-year projections are made for each of the wastewater funds' assessment. The projections provide guidance to the wastewater municipalities to assist them in determining their wastewater sewer rates. A summary of the projection is provided on next page.

### Major Assumptions:

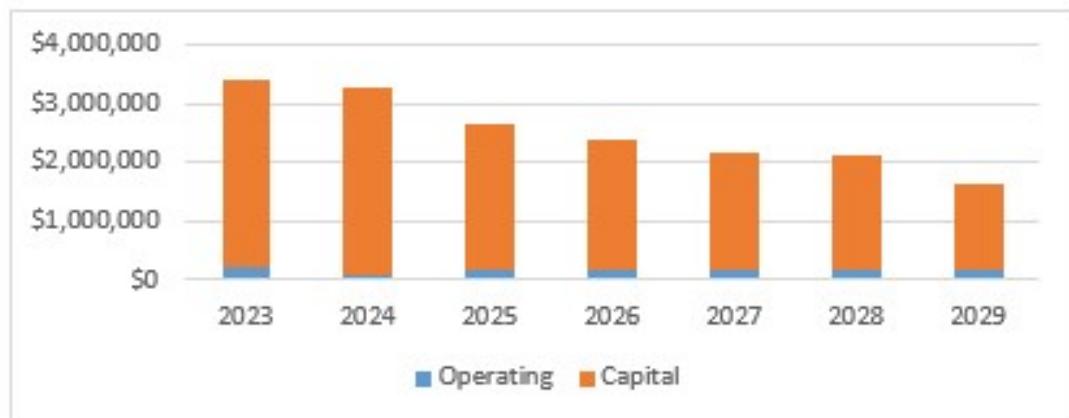
The assumptions incorporated in the projections are as follows:

- Salary increases with an annual increase of 3.5%. Wastewater staffing increased for all funds by 3 full-time employees in the next few years.
- Benefit increases of 6% each year.
- Other expenses increase between 3% and 5% each year.
- New debt service and renewal/replacement fund expenditures consistent with the 2025 5-year capital plan, which includes close to \$17.1 million of capital projects. Most new debt assumed a 20-year life between 4% interest.

### Summary of Projection Impact:

Assessment is projected to increase to \$5,581,646 in 2029, a 36% increase over 2025 Budget, primarily due to federally mandated CSO Conduit Storage facility planned to be constructed in 2026. That project causes the Debt ratios to decline over the next several years.

### Reserve Fund Balances



### Percent of Budget Dedicated to Debt Service – Target: Not to Exceed 35%

2023	2024	2025	2026	2027	2028	2029
22%	25%	24%	24%	37%	36%	34%

### Debt Service Ratio – Target: Greater or Equal to 125%

2023	2024	2025	2026	2027	2028	2029
114%	115%	117%	112%	107%	107%	107%

## Projections for Rate-Making Purposes (continued)

### Operating Fund:

	2023 Actual	2024 Budget	2025 Budget	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast
Revenues:							
Assessment Income	3,723,096	3,995,964	4,111,872	4,271,409	5,387,836	5,517,805	5,581,646
Interest Income	140,907	136,416	168,187	168,187	168,187	168,187	168,187
Other Income	123,163	103,813	159,313	159,313	159,313	159,313	159,313
<b>Total Revenues</b>	<b>3,987,166</b>	<b>4,236,193</b>	<b>4,439,372</b>	<b>4,598,909</b>	<b>5,715,336</b>	<b>5,845,305</b>	<b>5,909,146</b>
Operating Expenses:							
Salaries & Wages	285,058	330,837	371,405	399,404	413,383	428,851	443,861
Employee Benefits	123,911	145,162	157,447	174,394	189,858	201,249	213,324
Biosolids Disposal	513,887	462,244	485,552	509,830	535,322	562,088	590,192
Chemicals	308,561	242,346	258,613	266,371	274,362	282,593	291,071
Contracted Services	227,362	236,527	251,117	258,651	266,411	274,403	282,635
Deferred Cost W/O	25,000	0	0	0	0	0	0
Heat/Fuel Oil	43,491	41,779	32,446	33,419	34,422	35,455	36,519
Insurance	12,907	14,345	15,924	16,402	16,894	17,401	17,923
Materials & Supplies	108,365	71,581	93,004	95,794	98,668	101,628	104,677
Other Expense	1,941	5,050	5,161	5,316	5,475	5,639	5,808
Purchased Power	297,341	392,874	415,397	432,013	444,973	458,322	472,072
Regulatory/Taxes	6,788	5,481	5,695	5,866	6,042	6,223	6,410
Tele/Other Utilities	55,332	35,280	51,587	53,135	54,729	56,371	58,062
Transportation	14,248	13,372	13,868	16,284	17,773	18,306	18,855
SS - Administration	410,448	460,488	473,510	492,450	512,148	532,634	553,939
SS - Engineering Services	111,573	172,897	156,957	163,196	169,683	176,428	183,441
SS - Environmental Services	101,465	105,635	117,532	122,233	127,122	132,207	137,495
SS - Wastewater Services	288,512	256,696	284,723	296,112	307,956	320,274	333,085
SS - Water Services	14,410	9,884	14,078	14,641	15,227	15,836	16,469
	2,950,600	3,002,478	3,204,016	3,355,511	3,490,448	3,625,908	3,765,838
Debt Service	906,348	1,070,089	1,059,935	1,109,821	2,086,311	2,075,820	1,994,731
Renewal & Replacement - Direct	168,000	100,000	105,000	110,000	115,000	120,000	125,000
Renewal & Replace - Indirect	56,893	63,626	70,421	23,577	23,577	23,577	23,577
Capital Finance Expense	1,131,241	1,233,715	1,235,356	1,243,398	2,224,888	2,219,397	2,143,308
<b>Total Operating Expenses</b>	<b>4,081,841</b>	<b>4,236,193</b>	<b>4,439,372</b>	<b>4,598,909</b>	<b>5,715,336</b>	<b>5,845,305</b>	<b>5,909,146</b>
Current Year Surplus(Deficit)	-94,675	0	0	0	0	0	0
Prior Year Surplus	313,278	61,608	160,909	160,909	160,909	160,909	160,909
Accumulated Surplus	218,603	61,608	160,909	160,909	160,909	160,909	160,909
Target Balance(25% of budget)	1,059,048	1,109,843	1,149,727	1,428,834	1,461,326	1,477,287	
Above/(Below)	-997,440	-948,934	-988,818	-1,267,925	-1,300,417	-1,316,378	

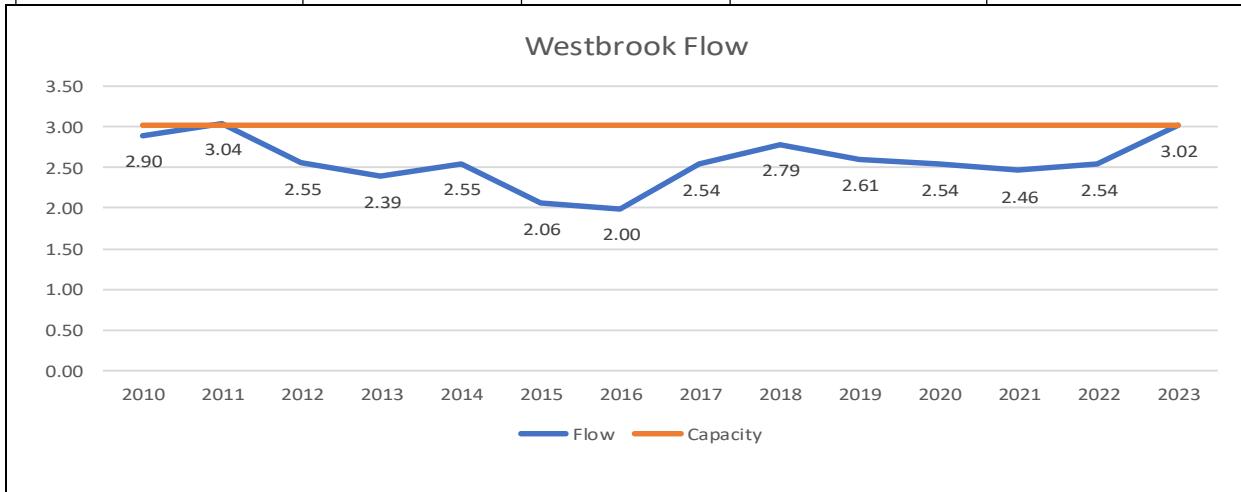
**Capital Expenditures:** (See details in the Capital Expenditure section) Target Balance: \$1,168,000

	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast
R&R Balance BOY	\$ 3,205,600	\$ 2,501,290	\$ 2,208,320	\$ 1,993,410	\$ 1,976,840
Contribution	\$ 105,000	\$ 110,000	\$ 115,000	\$ 120,000	\$ 125,000
Withdrawals	\$ (809,310)	\$ (402,970)	\$ (329,910)	\$ (136,570)	\$ (629,910)
<b>R&amp;R Balance EOY</b>	<b>\$ 2,501,290</b>	<b>\$ 2,208,320</b>	<b>\$ 1,993,410</b>	<b>\$ 1,976,840</b>	<b>\$ 1,471,930</b>

## Operation Summary Westbrook

**Wastewater Treatment:** The wastewater generated in the City of Westbrook is pumped to the Westbrook/Gorham/Windham Regional WWTF on Park Road. Flows from the Little Falls section of Gorham and the Town of Windham, including the Maine Correctional Center, are conveyed to this facility. The table below depicts flows from each contributing community. The chart illustrates capacity used for each community and total plant capacity being used based on the treatment plant capacity of 4.54 MGD.

Municipality (Design Flow)	2023 Flow (mgd)	% of 2023 WWTF Flow	Reserved Capacity (mgd)	% of Capacity Used
Westbrook (66.6%)	3.02	84.8 %	3.023	100 %
Gorham (30.8%)	0.48	13.5 %	1.398	34 %
Windham (2.6%)	0.064	1.7 %	0.118	54 %
Total Plant Flow	3.56		4.54	78 %



The following tables depict some of the key parameters that are monitored at the facility.

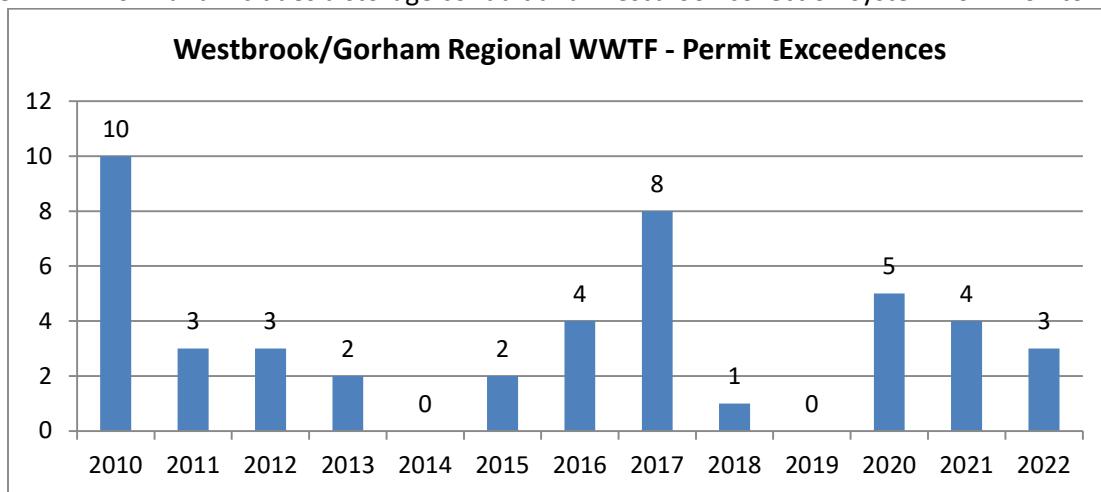
WGWT Parameter	DEP Limit	2022 Facility Average
Biosolids Removed (wet tons/month)	N/A	339 wet ton/month

Parameter	Discussion
Biological Oxygen Demand (BOD)	Measure of organic material and the strength of pollution. The treatment plant removed 91% of the BOD, well above the required 85% removal.
Total Suspended Solids (TSS)	Measure of suspended material in the incoming wastewater. The treatment plant removed 88% of the TSS, well above the required 85% removal.
Total Residual Chlorine	Used for disinfecting the treated effluent, chlorine must be removed before the effluent is discharged. The permit limit was met at all times.
Fecal Coliform Bacteria	Following disinfection with chlorine, the fecal coliform level is monitored to confirm the treatment plant effluent was properly disinfected.
Phosphorus	The permit includes a requirement to monitor phosphorus in the plant's effluent discharge. Phosphorus can contribute to water quality concerns that might include algae and low dissolved oxygen. The monitoring will likely create a baseline for consideration if effluent permit limitations are established in the future.

## Operation Summary (continued)

### Effluent Permit Requirements:

The effluent permit was renewed in 2017. An application for renewal was submitted and the permit is pending from Maine DEP. The City of Westbrook is a joint permittee for their obligations under the CSO Long Term Control Plan. The Combined Sewer Overflow Long-Term Control Plan was approved by Maine DEP in 2024 and includes a storage conduit and Westbrook collection system flow monitoring.



### Wastewater Conveyance – interceptors and pumping stations

Parameter	2024 Actual to Sept	2025 Projected
Preventive Work Orders	960	1,050
Corrective Work Orders	49	55
Wet wells cleaned	52	63
Debris removed (tons)	143	165
Dry Weather Overflows	0	0

### 2024 Other Highlights

- With our asset management system, we continue to proactively manage maintenance. Our Maintenance and Operations Team has been systematically reviewing our systems and treatment assets to create a prioritized listing of equipment to refine our preventive maintenance program. This effort is ongoing.
- Construction of the upgraded aeration system and secondary clarifiers was completed. There are some issues that include the electrical system and back up power, scum removal, and ragging of mixing equipment in the tanks. These will continue to be addressed in the coming months.
- Following a failed legislative effort to reclassify the water quality designation of the Presumpscot River in 2022, a moratorium on increases or additional licensed discharges to the river was passed in 2023. This essentially caps the permitted capacity of the treatment plant at existing levels. This issue has been raised in the current Maine DEP Triennial Review process.
- Legislative action that prohibited land application of biosolids due to PFAS concerns has created management challenges throughout Maine. A biosolids management plan began in 2022 and identified near, mid, and longer-range options for biosolids management that included possible regional efforts to economically manage biosolids in the future. A more detailed effort has continued in 2023. This includes a detailed review of nearly 30 technical responses to a Request for Information. The contract to manage current biosolids will provide some potential certainty in disposal and cost though 2027.
- A regional biosolids solution is being pursued and a Request for Proposals for a solution is being prepared.

- PWD continues to work with the Town to properly manage growth and the expansion of new systems infrastructure to properly support growth in the community. A capacity evaluation will begin in 2024 to assess required growth, related upgrades to allow for this increased growth, and a means of cost allocation for this growth.
- The Combined Sewer Overflow Long Term Control Plan Update began in 2022. In 2024, the plan was approved by Maine DEP. The plan includes a 1,000,000 gal storage conduit and flow monitoring in the Westbrook collection system to identify possible areas of infiltration and inflow.

## 2025 Work Plan

- Asset Management Software will drive the preventive maintenance program, generating both monthly and annual preventive maintenance work orders. Efforts to refine the existing maintenance approach will continue.
- A modernization of the treatment plant's locker rooms will be evaluated to better meet the needs of our changing workforce. Initial designs show a modernized layout that provides improved facilities that afford more privacy to employees.
- The Biosolids Management Plan effort to issue a Request for Proposals will be issued for a regional biosolids facility in 2025.
- The effluent permit renewal from Maine DEP for the regional treatment plant is pending.
- PWD has been discussing the treatment plant capacity allocated to the three communities that contribute to our treatment plants; Westbrook, Gorham, and Windham. With continued and planned growth, we expect that some communities will reach their allocations in the future. A study will identify the amount and timing for capacity increases, the work that will be required to accommodate additional loadings at the treatment plant, and how those costs will be allocated. While growth pressures are emerging, the existing treatment plant, and the plan to understand development needs, should allow for the needs of all communities to be served.

## Capital Summary

A five-year capital plan is updated each year. The projects are prioritized based on operational needs and financing availability. The table below indicates the projects scheduled for the next fiscal year and the funding source of those projects. Detailed descriptions of the projects can be found in the Capital Finance and Capital Expenditures sections.

### Program Summary

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Comprehensive Planning					
SCADA & Technology	\$450,000				
WW Collection & Pumping	\$420,000	\$10,840,000	\$240,000	\$40,000	\$540,000
WW Treatment	\$585,000	\$1,545,000	\$2,135,000	\$145,000	\$135,000
<b>Grand Total</b>	<b>\$1,455,000</b>	<b>\$12,385,000</b>	<b>\$2,375,000</b>	<b>\$185,000</b>	<b>\$675,000</b>

### Financing Summary

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Bonds	\$300,000	\$11,800,000	\$2,000,000		
R&R	\$1,155,000	\$585,000	\$375,000	\$185,000	\$675,000
<b>Grand Total</b>	<b>\$1,455,000</b>	<b>\$12,385,000</b>	<b>\$2,375,000</b>	<b>\$185,000</b>	<b>\$675,000</b>

### Projects by Program

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Comprehensive Planning					
3289//Westbrook Capacity Eval.					
SCADA & Technology	\$450,000				
3127/177/Westbrook SCADA Server Renewal Program	\$450,000				
WW Collection & Pumping	\$420,000	\$10,840,000	\$240,000	\$40,000	\$540,000
3134/411/Westbrook WW Systems R&R	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
3230/29/Flow Metering	\$80,000				
3275/60/Dana Ct. Force main Replacement			\$200,000		
3302/411/Cottage Place PS- Generator/Transfer Repl.		\$800,000			
3306/411/East Bridge St PS - Generator/Transfer Replac.				\$500,000	
3310/29/Westbrook CSO Storage Conduit	\$300,000	\$10,000,000			
WW Treatment	\$585,000	\$1,545,000	\$2,135,000	\$145,000	\$135,000
3132/416/Westbrook Gorham Windham WWTF R&R	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
3159/416/Plant Water System Rehab/Controls		\$175,000			
3166/416/Process Area Ventilation Upgrades		\$1,000,000			
3247/416/Locker Room Renovation		\$250,000			
3270/416/Process Valve/Actuator Replacement		\$20,000		\$20,000	
3271/416/Structural/Architectural Assessment/Rehab	\$35,000		\$35,000		\$35,000
3273/416/Outfall Condition Assessment				\$25,000	
3198/416/WAS and GBT System Upgrade/Rehabilitation	\$450,000				
3256/416/Sludge Automation & Conveyance Upgrade			\$2,000,000		
<b>Grand Total</b>	<b>\$1,455,000</b>	<b>\$12,385,000</b>	<b>\$2,375,000</b>	<b>\$185,000</b>	<b>\$675,000</b>

## Westbrook Regional Treatment Facility

The Westbrook Regional WWTF was brought online in the mid '70s. Over the years PWD has completed various improvements including:

- Plant water system (2006)
- Clarifier scum removal (2006)
- Scum handling, and sludge conveyances control (2006)
- Plant electrical system – Standby Generator (2008)
- Polymer system (2010), Polymer system improvements (2019)
- RAS pumps (2011)
- Plant Control System (2013)
- RAS distribution and flow split to the secondary clarifiers (2014)
- Sludge Dewatering (2018)
- Aeration and Secondary Clarifiers (2023)
- Additional Screening at influent Pump stations (2023)
- New power distribution system and switchgear

Proposed major modifications for a headworks upgrade were set aside in favor of installing screens at the two major pump stations feeding the treatment plant. Start-up of these systems at the Cottage Place and East Bridge St. Pump Stations in 2008 successfully eliminated pump plugging and has reduced the quantity of rags at the treatment plant. Additional improvements to reduce the spacing of the screens at the pump stations were installed in 2023 to further remove rags and debris from the plant influent.

The aeration system was evaluated in 2015 to develop a roadmap for the eventual upgrade of the aeration system as it nears the end of its service life. The 2019 CIP included design phase services to upgrade the aeration system and secondary clarification process. These upgrades will facilitate process control to maintain dissolved oxygen to meet today's loadings, match current peak demand, and provide more energy efficient oxygen delivery. Similar to the East End plan in Portland, a selector was recommended to enhance process control and improve settleability.

The secondary clarification process at Westbrook has not been upgraded or modified since its original construction and the sludge withdrawal mechanisms are nearing the end of their useful life based on an assessment of the clarifiers completed in 2016. Construction of the aeration and secondary clarification upgrade was completed in the fall of 2023. This upgrade included a new power distribution system and electrical switchgear.

## Gorham/Westbrook/Windham Wastewater (continued)

In 2015, PWD completed an evaluation of sludge dewatering technologies for the Westbrook Regional WWTF, including rehabilitation of the existing belt filter press. Alternative technologies were piloted to quantify the improvement in dewatering performance as compared to the existing equipment. It was determined that alternative technologies would increase the dewatered sludge solids content from an average of approximately 16% to a minimum of 20%, which significantly reduces the volume of sludge to be disposed. As a result, in 2016 the proposed belt filter press rehabilitation project was replaced with a proposed upgrade to an alternative technology (CIP #167 project 2534). In 2016, equipment was competitively procured and upgrade to a screw press began in January of 2017 and was completed in the spring of 2018.

In 2020 PWD competitively pre-procured a 3-way valve and pneumatic actuator to create a 4<sup>th</sup> discharge zone to facilitate more complete filling of the sludge storage container with the drier cake produced by the new screw press system. The new valve was installed along with a new control station and associated electrical during the summer of 2021.



**2019 CIP 416 project 3001 - Cake Unloading Valve during installation**



**2019 CIP 416 project 3026 - Polymer System Improvements**

## Gorham/Westbrook/Windham Wastewater (continued)

### Westbrook – Sewer System

In late 2007, PWD hired Woodard & Curran, Brown & Caldwell and Jordan Environmental to update the City of Westbrook's CSO Master Plan. This plan was completed and submitted to Maine DEP in 2008. Some of the work included in the plan involved the city, and some involved PWD. Because the City operates the collection system, the bulk of the first five years would focus on the removal of infiltration and inflow (I/I) from the City collection system. Later portions of the plan would include storage and other work on PWD owned assets. Since the plan was updated, all flow from all the CSO outfalls are now continuously monitored.

The plan was updated in 2014 and submitted to the DEP per the State's requirements. The plan included a summary of the work completed in the first 5 years and a revised set of projects and schedule. The projects that involve PWD facilities are being completed in accordance with the Master Plan and have included several projects to increase the capacity of the interceptor system. The Master Plan included upgrades and capacity increase at the Dana Court Pump Station (CIP #29 project 2527). This project was completed in 2019. The plan also included the addition of floatables containment at the CSO diversion structure prior to the Cottage Place pump station (CIP #29 project 2524). This project was completed in 2020. The most recent 5 year portion of the mitigation, or Long Term Control Plan, has been in large part completed. The plan is currently undergoing another review and will be updated with the next series of projects and goals to be completed in the next 5 year period.

### Gorham/Windham – Pump Stations and Collector Systems

In May of 2008, flows from the Town of Windham, the Maine Correctional Center and the Little Falls section of Gorham were re-directed to the Westbrook/Gorham/Windham WWTF for treatment. This action led to the closure of two outfalls into the Presumpscot River. This project also led to an upgrade of the Tow Path pump station and the decommissioning of the treatment plant in Little Falls in 2010. Due to the relatively young age of most of Gorham's other pump stations, preventive maintenance, condition assessment through CCTV inspection of buried infrastructure, and minor repairs have been the focus in recent years.

To increase reliability and improve service during power outages, standby generators have been installed at most of the pump stations. In 2014, an assessment of all of the pump stations in the system was completed, and stations with identified needs were then flagged for more detailed investigation. As a result of those studies, upgrades at the Androscoggin PS (CIP #180 project 2317) and Canterbury Pines PS (CIP #60 project 1117) were completed by the end of 2017.

To ensure that accurate wastewater flow is measured and used for allocating operating costs to the Town of Gorham, a flow meter was installed to measure the flow from the Town of Gorham to the Westbrook/ Gorham/Windham WWTF. This meter was installed and is maintained by a third-party vendor as part of PWD's extensive flow monitoring program.

## Gorham/Westbrook/Windham Wastewater (continued)

Gorham, Westbrook and Windham are served by a centralized wastewater treatment plant in Westbrook. Capital costs are allocated by each municipality's relative design capacity of the specific infrastructure.

### Program Summary

Row Labels	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Gorham Wastewater	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
WW Collection & Pumping	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Westbrook Wastewater	\$420,000	\$10,040,000	\$240,000	\$40,000	\$540,000
WW Collection & Pumping	\$420,000	\$10,040,000	\$240,000	\$40,000	\$540,000
Windham North Wastewater	\$10,000,000	\$7,000,000	\$10,000,000		
WW Treatment	\$10,000,000	\$7,000,000	\$10,000,000		
Windham South Wastewater	\$20,000	\$20,000	\$20,000	\$770,000	\$20,000
WW Collection & Pumping	\$20,000	\$20,000	\$20,000	\$770,000	\$20,000
Joint Westbrook Wastewater	\$1,035,000	\$2,345,000	\$2,135,000	\$145,000	\$135,000
SCADA & Technology	\$450,000				
WW Collection & Pumping		\$800,000			
WW Treatment	\$585,000	\$1,545,000	\$2,135,000	\$145,000	\$135,000
<b>Grand Total</b>	<b>\$11,510,000</b>	<b>\$19,440,000</b>	<b>\$12,430,000</b>	<b>\$990,000</b>	<b>\$730,000</b>



	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
<b>Bonds</b>	<b>\$10,300,000</b>	<b>\$18,800,000</b>	<b>\$12,000,000</b>	<b>\$750,000</b>	
<b>R&amp;R</b>	<b>\$1,210,000</b>	<b>\$640,000</b>	<b>\$430,000</b>	<b>\$240,000</b>	<b>\$730,000</b>
<b>Grand Total</b>	<b>\$11,510,000</b>	<b>\$19,440,000</b>	<b>\$12,430,000</b>	<b>\$990,000</b>	<b>\$730,000</b>

## Gorham/Westbrook/Windham Wastewater (continued)

### Projects by Program

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Gorham Wastewater	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
WW Collection & Pumping	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
3137/60/Gorham WW Pump Station - R&R	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Westbrook Wastewater	\$420,000	\$10,040,000	\$240,000	\$40,000	\$540,000
Comprehensive Planning					
3289//Westbrook Capacity Eval.					
WW Collection & Pumping	\$420,000	\$10,040,000	\$240,000	\$40,000	\$540,000
3134/411/Westbrook WW Systems R&R	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
3230/29/Flow Metering	\$80,000				
3275/60/Dana Ct. Force main Replacement			\$200,000		
3306/411/East Bridge St PS - Generator/Transfer Replac.					\$500,000
3310/29/Westbrook CSO Storage Conduit	\$300,000	\$10,000,000			
Joint Westbrook Wastewater	\$1,035,000	\$2,345,000	\$2,135,000	\$145,000	\$135,000
SCADA & Technology	\$450,000				
3127/177/Westbrook SCADA Server Renewal Program	\$450,000				
WW Collection & Pumping		\$800,000			
3302/411/Cottage Place PS- Generator/Transfer Repl.		\$800,000			
WW Treatment	\$585,000	\$1,545,000	\$2,135,000	\$145,000	\$135,000
3132/416/Westbrook Gorham Windham WWTF R&R	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
3159/416/Plant Water System Rehab/Controls		\$175,000			
3166/416/Process Area Ventilation Upgrades		\$1,000,000			
3247/416/Locker Room Renovation		\$250,000			
3270/416/Process Valve/Actuator Replacement		\$20,000		\$20,000	
3271/416/Structural/Architectural Assessment/Rehab	\$35,000		\$35,000		\$35,000
3273/416/Outfall Condition Assessment				\$25,000	
3198/416/WAS and GBT System Upgrade/Rehabilitation	\$450,000				
3256/416/Sludge Automation & Conveyance Upgrade			\$2,000,000		
Windham North Wastewater	\$10,000,000	\$7,000,000	\$10,000,000		
WW Treatment	\$10,000,000	\$7,000,000	\$10,000,000		
3241/182/North Windham WWTF	\$10,000,000	\$7,000,000	\$10,000,000		
Windham South Wastewater	\$20,000	\$20,000	\$20,000	\$770,000	\$20,000
WW Collection & Pumping	\$20,000	\$20,000	\$20,000	\$770,000	\$20,000
3138/180/Windham- Little Falls WW System - R&R	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
3139/180/Windham - Depot St/Keddy Mill Force main				\$750,000	
<b>Grand Total</b>	<b>\$11,510,000</b>	<b>\$19,440,000</b>	<b>\$12,430,000</b>	<b>\$990,000</b>	<b>\$730,000</b>

**Subprogram # 29****Westbrook CSO Abatement**

**Division:** Wastewater - Westbrook  
**Funding:** Bond – Wastewater Div 62

**Manager:** Poulin, Charlene  
**Priority:** Regulatory mandate

**Description:**

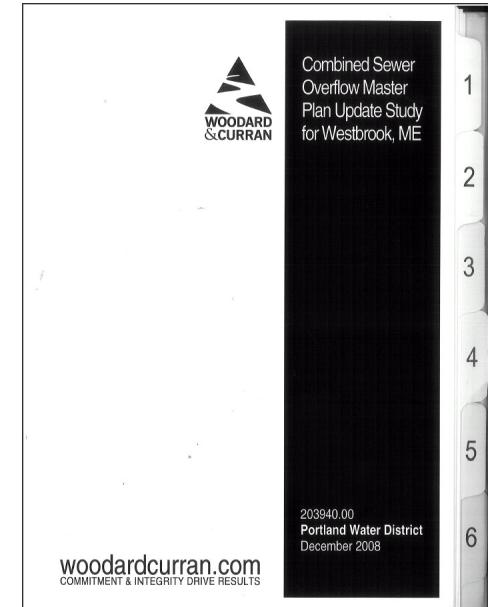
This project is driven by the permit requirement to mitigate combined sewer overflows in the City of Westbrook. The most recent 5 year portion of the mitigation, or Long Term Control Plan, has been in large part completed. The plan is currently undergoing another review and will be updated with the next series of projects and goals to be completed in the next 5 year period.

**Justification / Impact:**

The work completed by PWD and the City of Westbrook have dramatically reduced the frequency and volume of overflows. With an ultimate goal of further reducing, or even eliminating, these events, the next phase of the Long Term Control Plan is being developed. This plan, when submitted and approved by DEP, will identify the next series of projects to continue the work.

**History:**

The City and PWD have jointly entered into a permit that has developed and implemented previous plans. Those projects have been very successful. Future plans will likely focus on the possible storage conduit at Cottage Place Pump Station, optimization of sewer and pump station storage, the location of flows contributing to combined sewer overflows, and collection system work to address those flows.

**Budget Summary:**

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
Bonds		\$300,000	\$10,000,000		
R&R		\$80,000			
3164/29/Modeling Update					
3230/29/Flow Metering		\$80,000			
<b>Grand Total</b>		<b>\$380,000</b>	<b>\$10,000,000</b>		

**Previous Years on CIP:** 2000 to present  
**Weir at Warren Ave CSO**



**Subprogram # 177****SCADA/Process Control - Wastewater****Division:** Wastewater – Westbrook, Div 64**Manager:** Siladi, Terran**Funding:** R & R - Wastewater facility**Priority:** Upgrade obsolete**Description:**

The program supports all 80 wastewater sites across PWD in upgrading and replacing the existing Supervisory Control and Data Acquisition (SCADA) equipment. The work needed is replacement of hardware and software to be compatible to PWD SCADA standards and provide for increased automation of wastewater systems and treatment. Programmable Logic Controllers (PLC) have been replaced across PWD to meet the new standards and remove outdated, non-maintainable equipment.

**Justification / Impact:**

The benefit of this program is to increase the automation and reduce the staff hours needed to perform routine activities for the systems and treatment plants across PWD.

**History:**

PWD started changing out the system in 2003 by replacing the existing 20 year-old system across the six wastewater communities and installing new SCADA equipment where it did not exist. All systems have been retrofitted or replaced but more automation of these systems will continue.

**Budget Summary:**

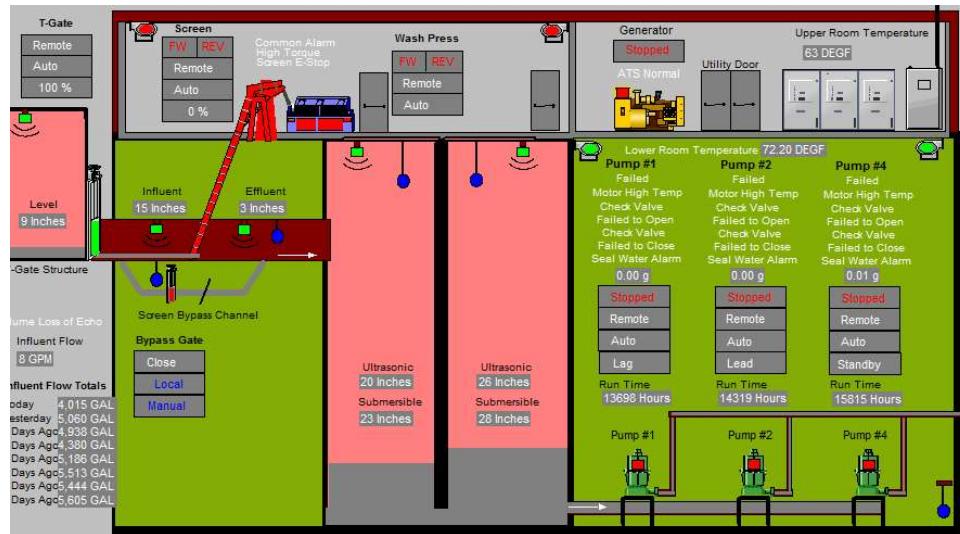
	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
R&R	\$450,000				
3127/177/Westbrook SCADA Server Renewal Program		\$450,000			
<b>Grand Total</b>	<b>\$450,000</b>				

**Previous Years on CIP:**

2003 to present

**Related Projects:**

Subprogram #110 Water, #177 Sewer Portland,



## Subprogram # 411

## Westbrook WW Systems R&R

## **Division: Wastewater - Westbrook**

**Manager:** Poulin,

Charlene

**Funding:** R&R - Wastewater – Div. 62

## Priority: Routine

replacement

**Description:**

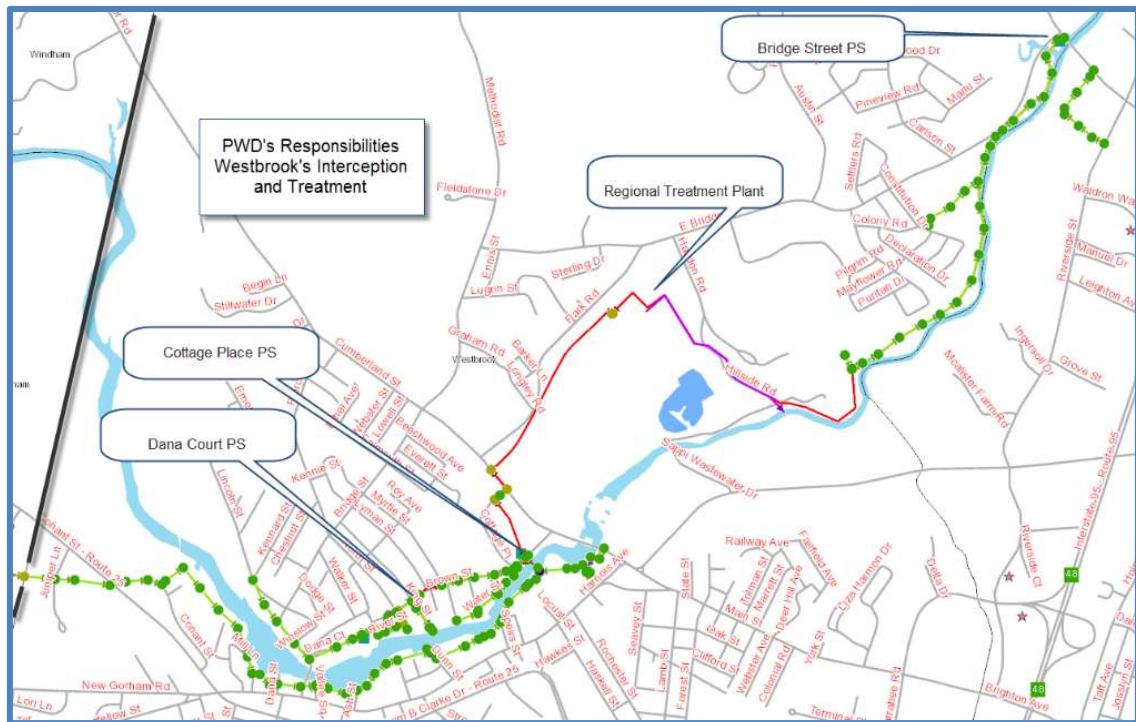
This project provides for the timely renewal of equipment associated with pump stations and the purchase of monitoring equipment for the interceptor system. Major pump stations have been recently upgraded but funds need to be available for replacement parts when necessary.

### **Justification / Impact:**

An on-going study to upgrade the Westbrook CSO Master Plan will be complemented with the addition of a portable flow monitoring device.

## Budget Summary:

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
<b>Bonds</b>		\$800,000			
3302/411/Cottage Place PS- Generator/Transfer Repl.		\$800,000			
<b>R&amp;R</b>	\$40,000	\$40,000	\$40,000	\$40,000	\$540,000
3134/411/Westbrook WW Systems R&R	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
3306/411/East Bridge St PS - Generator/Transfer Replac.					\$500,000
<b>Grand Total</b>	\$40,000	\$840,000	\$40,000	\$40,000	\$540,000



## Condition Assessment – Westbrook Pump Stations

### 2020 Westbrook Pump Station Report

<b>Westbrook</b>			
<b>ID</b>	<b>Name</b>	<b>2020 rating</b>	<b>2014 rating</b>
WEP43	Dana CT PS	4.61	2.90
WEP42	E. Bridge St. PS	3.79	3.85
WEP41	Cottage Place	3.66	3.93
<b>Westbrook Average</b>		<b>4.02</b>	<b>3.56</b>
<b>PWD -All Average ( 74 Pump Stations)</b>		<b>3.72</b>	<b>3.47</b>



East Bridge Pump Station



Cottage Street Pump Station



Dana Court Pump Station  
New dry pit submersible  
pumps installed in 2019

## Subprogram # 416 Westbrook Gorham Windham Regional WWTF

**Division:** Wastewater - Joint Westbrook

**Manager:** Firmin, Scott

**Funding:** Bonds, R&R – Wastewater- Div. 64  
obsolete facility

**Priority:** Upgrade

**Description:**

Provide for plant upgrades required to continue to meet regulatory and operational requirements and for the timely routine replacement of equipment nearing the end of its service life. The main focus of the proposed projects is to improve plant performance and efficiency.

**Justification / Impact:**

Physical assets require scheduled maintenance and eventual replacement. Planned upgrades also include instrumentation and controls to provide enhanced automation, monitoring and control of the treatment processes. Additionally, upgrades are planned for the solids handling system to improve operational resiliency and reduce staff labor. Regulatory requirements are continuously revised and updated by the EPA and administered by the Maine Department of Environmental Protection. This account provides for the equipment replacement and system upgrades necessary to continue to meet regulatory and operational requirements.



**History:**

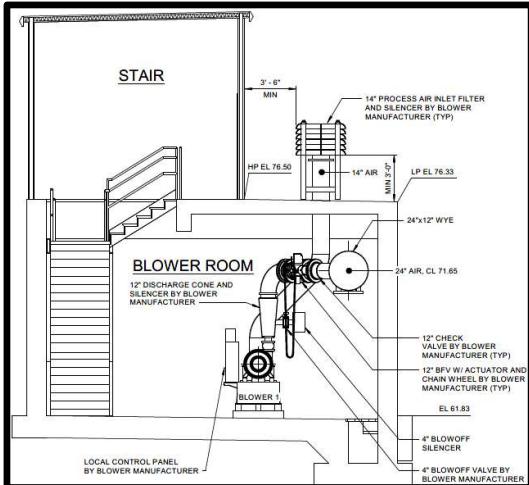
To meet the goals of this subprogram PWD is continuously engaged in the Capital Improvement Program Process described in the Introduction of the Capital Expenditures section. Recent planning and design efforts include the PWD Regional Biosolids Master Plan (2024). Projects are planned to begin in 2026.

**Budget Summary:**

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
<u>WW Treatment</u>	\$585,000	\$1,545,000	\$2,135,000	\$145,000	\$135,000
<u>Bonds</u>		\$1,000,000	\$2,000,000		
3166/416/Process Area Ventilation Upgrades		\$1,000,000			
3256/416/Sludge Automation & Conveyance Upgrade			\$2,000,000		
<u>R&amp;R</u>	\$585,000	\$545,000	\$135,000	\$145,000	\$135,000
3132/416/Westbrook Gorham Windham WWTF R&R	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
3159/416/Plant Water System Rehab/Controls		\$175,000			
3247/416/Locker Room Renovation		\$250,000			
3270/416/Process Valve/Actuator Replacement		\$20,000		\$20,000	
3271/416/Structural/Architectural Assessment/Rehab	\$35,000		\$35,000		\$35,000
3273/416/Outfall Condition Assessment				\$25,000	
3198/416/WAS and GBT System Upgrade/Rehabilitation	\$450,000				
<b>Grand Total</b>	<b>\$585,000</b>	<b>\$1,545,000</b>	<b>\$2,135,000</b>	<b>\$145,000</b>	<b>\$135,000</b>

## Subprogram # 416 Westbrook Gorham Windham Regional WWTF

**CIP 2020, Subprogram #416, Project # 3023: \$11,250,000** - Westbrook aeration and secondary clarifier upgrade. Construction Started in 2021 and was completed in the fall of 2023. To the left is a diagram of the below grade aeration blower building. Right is foundation being constructed and below is the completed blower building.



**Subprogram # 60****Westbrook WW Pump Stations - R&R****Division:** Wastewater - Westbrook**Manager:** Poulin, Charlene**Funding:** Bond and R&R – Wastewater – Div. 62**Priority:** Routine replacement**Description:**

This is an ongoing project designed to maintain and improve Westbrook wastewater pump stations. Modifications and upgrades will ensure adequate capacity, reliability and safety.

**Justification / Impact:**

Components of the older pump stations have reached their useful life and obsolete equipment should be replaced. Replacing this equipment before it fails completely reduces the amount spent on operating and maintaining the equipment.

**History:**

This planned renewal and replacement will assist operations in moving toward a goal of performing more predictive and preventive maintenance instead of emergency maintenance.

**Budget Summary:**

	- 2025 -	- 2026 -	- 2027 -	- 2028 -	- 2029 -
R&R				\$200,000	
3275/60/Dana Ct. Force main Replacement				\$200,000	
<b>Grand Total</b>				<b>\$200,000</b>	

**Previous Years on CIP:** 2000 - present



East Bridge PS roof replacement completed fall of 2023

### §6103. Authority for taxation under default

1. **Issuance of a warrant following a default.** If there is a default in the payment of the principal of, or interest on, a note, bond or other evidence of indebtedness issued by a water district created by special Act of the Legislature, the trustees, directors or managing board of the district shall, unless the default is cured, issue their warrant immediately to those portions of the municipality or municipalities which constitute the district.

#### 1-A. Issuance of a warrant prior to a default; commission review.

A. Notwithstanding subsection 1, if prior to a default in the payment of the principal of, or interest on, a note, bond or other evidence of indebtedness issued by the district, the district makes a reasonable determination that the district's anticipated revenues from the normal payment of water charges for services rendered for the period beginning on the date of such determination and ending on the last day of the then current fiscal year, will not be sufficient to pay the district's anticipated operating expenses for the same period, then the district may borrow money in an amount sufficient to make such payment of principal and interest, and other transaction costs related to such borrowing, and the trustees, directors or managing board of the district may issue their warrant immediately to those portions of the municipality or municipalities which constitute the district to repay the amount so borrowed, plus interest.

When making the foregoing determination, the district (i) shall include in its anticipated revenues all other cash or funds then held by or on behalf of the district that are available to pay its operating expenses and other expected or obligated expenditures, and (ii) shall include in its anticipated operating expenses, all other expected or obligated expenditures, including any obligation to replenish a reserve fund established with respect to such note, bond or other evidence of indebtedness.

B. Within 30 days of the date the district issues its tax warrant pursuant to paragraph A, the district shall prepare and submit a financial management plan to the commission and each municipality which constitutes the district. The commission shall provide an opportunity for affected municipalities to provide input on the plan, and the commission may in its discretion commence a proceeding to examine the plan.

C. This subsection applies to all districts where the municipality or municipalities which constitute the district have previously approved this section or former Title 35, section 3211. For all other districts, this sub-section shall apply when the approval prescribed in section 6 is obtained.

2. **Form of warrant.** The form of the warrant shall be reasonably similar to the warrant used by the Treasurer of State for real estate taxes.

3. **Assessment and collection of taxes.** In the warrant for payment of the sum, the assessors in each municipality shall assess the sum allocated to the municipality or portion of the municipality upon the taxable estates within the municipality or portion of the municipality and shall commit their assessment to the constable or collector of the municipality, who shall have all authority, powers and duty to collect the taxes as is vested by law to collect state, county and municipal taxes.

4. **Allocation if district is composed of more than one municipality.** If the district is composed of more than one municipality or portion of a municipality, the trustees shall make the allocation on a basis resulting in a uniform rate applied to 100% of the state valuation on all taxable property within the water district.

5. **Treasurer to pay tax within 30 days.** Within 30 days after the date fixed by the municipalities on which their taxes are due, the treasurer of the municipality shall pay the tax assessed to the treasurer of the district.

6. **Section not effective until approved by municipality.** This section may not take effect until it or former Title 35, section 3211, has been approved at a regular or special meeting by a majority of the legislative body of the municipality or municipalities which constitute the district. The appropriate municipal official shall declare the action of the legislative body, file a certificate of it with the Secretary of State and with the clerk of the district.